


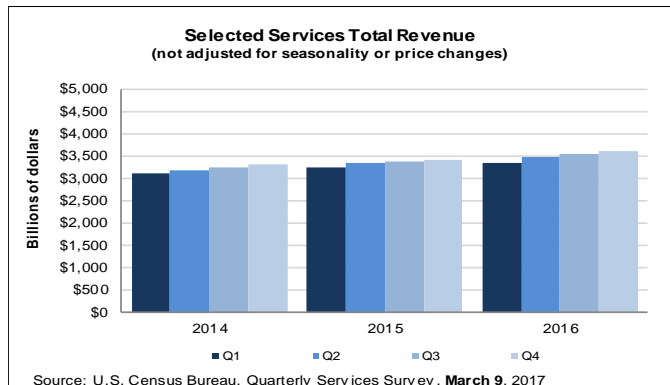
FOR RELEASE AT 10:00 AM EST, THURSDAY, MARCH 9, 2017

QUARTERLY SELECTED SERVICES ESTIMATES, FOURTH QUARTER 2016

Release Number: CB17-35

March 9, 2017 — The U.S. Census Bureau announced the following selected services estimates for the fourth calendar quarter of 2016:

 SELECTED SERVICES TOTAL REVENUE		
4Q 2016	\$3,615.3 billion	+2.3 %
3Q 2016	\$3,533.1 billion	+1.8 %
Next release: May 19, 2017		
Data are not adjusted for seasonality or price changes. Source: U.S. Census Bureau, Quarterly Services Survey, March 9, 2017		



Selected Services Total

U.S. selected services total revenue for the fourth quarter of 2016, not adjusted for seasonal variation or price changes, was \$3,615.3 billion, an increase of 2.3 percent (± 0.2 percent) from the third quarter of 2016 and up 6.0 percent (± 0.6 percent) from the fourth quarter of 2015. The third quarter of 2016 to fourth quarter of 2016 percentage change was revised from the advance estimate of 2.4 percent (± 0.4 percent).

Information

U.S. information sector revenue for the fourth quarter of 2016, adjusted for seasonal variation but not for price changes, was \$373.4 billion, an increase of 0.7 percent (± 0.6 percent) from the third quarter of 2016 and up 4.0 percent (± 1.1 percent) from the fourth quarter of 2015. The second quarter of 2016 to third quarter of 2016 percentage change was revised from 1.8 percent (± 0.6 percent) to 1.7 percent (± 0.6 percent).

Professional, scientific, and technical services

U.S. professional, scientific, and technical services revenue for the fourth quarter of 2016, adjusted for seasonal variation but not for price changes, was \$441.1 billion, an increase of 1.3 percent (± 0.9 percent) from the third quarter of 2016 and up 6.3 percent (± 2.3 percent) from the fourth quarter of 2015. The second quarter of 2016 to third quarter of 2016 percentage change was revised from 1.2 percent (± 0.9 percent) to 1.1 percent (± 0.9 percent).

Administrative and support and waste management and remediation services

U.S. administrative and support and waste management and remediation services revenue for the fourth quarter of 2016, adjusted for seasonal variation but not for price changes, was \$224.4 billion, an increase of

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2.0 percent (± 1.1 percent) from the third quarter of 2016 and up 8.5 percent (± 1.9 percent) from the fourth quarter of 2015. The second quarter of 2016 to third quarter of 2016 percentage change was not revised from 2.1 percent (± 1.1 percent).

Utilities

U.S. utilities revenue for the fourth quarter of 2016, not adjusted for seasonal variation, or price changes, was \$140.2 billion, a decrease of 9.2 percent (± 1.5 percent) from the third quarter of 2016 and up 5.0 percent (± 1.9 percent) from the fourth quarter of 2015. The third quarter of 2016 to fourth quarter of 2016 percentage change was revised from the advance estimate of -8.6 percent (± 1.5 percent).

Transportation and warehousing

U.S. transportation and warehousing revenue for the fourth quarter of 2016, not adjusted for seasonal variation, or price changes, was \$223.1 billion, a decrease of 1.2 percent (± 0.9 percent) from the third quarter of 2016 and up 1.6 percent (± 1.5 percent) from the fourth quarter of 2015. The third quarter of 2016 to fourth quarter of 2016 percentage change was revised from the advance estimate of -0.7 percent (± 0.8 percent)*.

Finance and insurance

U.S. finance and insurance revenue for the fourth quarter of 2016, not adjusted for seasonal variation, or price changes, was \$1,094.2 billion, an increase of 1.1 percent (± 0.4 percent) from the third quarter of 2016 and up 5.6 percent (± 0.9 percent) from the fourth quarter of 2015. The third quarter of 2016 to fourth quarter of 2016 percentage change was revised from the advance estimate of 0.8 percent (± 0.4 percent).

Real estate and rental and leasing

U.S. real estate and rental and leasing revenue for the fourth quarter of 2016, not adjusted for seasonal variation, or price changes, was \$168.6 billion, an increase of 0.9 percent (± 1.5 percent)* from the third quarter of 2016 and up 7.6 percent (± 2.1 percent) from the fourth quarter of 2015. The third quarter of 2016 to fourth quarter of 2016 percentage change was revised from the advance estimate of 1.4 percent (± 1.5 percent)*.

Educational services

U.S. educational services revenue for the fourth quarter of 2016, not adjusted for seasonal variation, or price changes, was \$16.1 billion, a decrease of 0.3 percent (± 3.0 percent)* from the third quarter of 2016 and up 4.3 percent (± 3.6 percent) from the fourth quarter of 2015. The third quarter of 2016 to fourth quarter of 2016 percentage change was revised from the advance estimate of 0.1 percent (± 2.5 percent)*.

Health care and social assistance

U.S. health care and social assistance revenue for the fourth quarter of 2016, not adjusted for seasonal variation, or price changes, was \$630.0 billion, an increase of 4.2 percent (± 1.1 percent) from the third quarter of 2016 and up 6.9 percent (± 1.9 percent) from the fourth quarter of 2015. The third quarter of

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2016 to fourth quarter of 2016 percentage change was revised from the advance estimate of 4.3 percent (± 1.1 percent).

Arts, entertainment, and recreation

U.S. arts, entertainment, and recreation revenue for the fourth quarter of 2016, not adjusted for seasonal variation, or price changes, was \$67.5 billion, an increase of 0.9 percent (± 3.2 percent)* from the third quarter of 2016 and up 9.7 percent (± 3.4 percent) from the fourth quarter of 2015. The third quarter of 2016 to fourth quarter of 2016 percentage change was revised from the advance estimate of 1.3 percent (± 3.2 percent)*.

Accommodation

U.S. accommodation revenue for the fourth quarter of 2016, not adjusted for seasonal variation, or price changes, was \$58.2 billion, a decrease of 9.8 percent (± 1.3 percent) from the third quarter of 2016 and up 4.8 percent (± 2.8 percent) from the fourth quarter of 2015. The third quarter of 2016 to fourth quarter of 2016 percentage change was revised from the advance estimate of -9.3 percent (± 0.9 percent).

Other services (except public administration)

U.S. other services (except public administration) revenue for the fourth quarter of 2016, not adjusted for seasonal variation, or price changes, was \$151.4 billion, an increase of 13.4 percent (± 1.3 percent) from the third quarter of 2016 and up 12.1 percent (± 1.9 percent) from the fourth quarter of 2015. The third quarter of 2016 to fourth quarter of 2016 percentage change was revised from the advance estimate of 13.2 percent (± 1.7 percent).

Notes

Seasonally adjusted quarterly services estimates have been revised to reflect historical corrections, new seasonal factors, and results of the 2015 Service Annual Survey. Not seasonally adjusted estimates for all items and industry levels were revised effective with the February 2017 release to reflect historical corrections and results of the 2015 Service Annual Survey and Annual Retail Trade Survey.

The first quarter 2017 Advance Quarterly Services Report is scheduled for release on May 19, 2017. View the full schedule in the Economic Briefing Room: <www.census.gov/economic-indicators/>.

Additional industry detail and estimates of revenue, expenses, inpatient days, and discharges can be found at <www.census.gov/services/>.

Sample Revision

Effective with the November 2017 release for the third quarter of 2017, quarterly services estimates will be based on a new sample and published on a 2012 North American Industry Classification System (NAICS) basis. For more information on the new sample or the impact of adopting the 2012 NAICS definitions, visit <www.census.gov/services/qss/faqs>.

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America's Economy Mobile App

The America's Economy app provides real-time updates for 19 key economic indicators released from the Census Bureau, Bureau of Labor Statistics, and Bureau of Economic Analysis.

[<www.census.gov/mobile/economy/>](http://www.census.gov/mobile/economy/)

API

The Census Bureau's application programming interface lets developers create custom apps to reach new users and makes key demographic, socio-economic and housing statistics more accessible than ever before.

[<www.census.gov/developers/>](http://www.census.gov/developers/)

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***The 90 percent confidence interval includes zero. There is insufficient evidence to conclude that the actual change is different from zero.**

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Table 1a. Selected Services - Estimated Quarterly Revenue for Employer Firms, Seasonally Adjusted¹

[Estimates are adjusted for seasonal variation but not for price change and are based on data from the Quarterly Services Survey. For additional information see www.census.gov/services]

2007 NAICS code ²	Kind of business	Total revenue (millions of dollars)						Percent change					
		4Q 2016 (p)	3Q 2016 (r)	2Q 2016 (r)	1Q 2016 (r)	4Q 2015 (r)	3Q 2015 (r)	4Q 2016 from 3Q 2016 (p)	3Q 2016 from 2Q 2016 (r)	2Q 2016 from 1Q 2016 (r)	1Q 2016 from 4Q 2015 (r)	4Q 2016 from 4Q 2015 (p)	3Q 2016 from 3Q 2015 (r)
51	Information	373,399	370,715	364,652	364,099	359,079	352,237	0.7	1.7	0.2	1.4	4.0	5.2
5112	Software publishers.....	51,577	50,813	50,003	50,877	49,732	49,525	1.5	1.6	-1.7	2.3	3.7	2.6
512	Motion picture and sound recording industries	25,119	26,035	24,860	27,935	25,211	24,769	-3.5	4.7	-11.0	10.8	-0.4	5.1
54	Professional, scientific, and technical services³	441,146	435,525	430,906	428,027	415,139	415,762	1.3	1.1	0.7	3.1	6.3	4.8
5411	Legal services ³	74,743	71,100	71,913	72,030	69,247	71,892	5.1	-1.1	-0.2	4.0	7.9	-1.1
5412	Accounting, tax preparation, bookkeeping, and payroll services	43,840	43,216	42,427	42,074	40,965	40,405	1.4	1.9	0.8	2.7	7.0	7.0
56	Administrative and support and waste management and remediation services⁴	224,370	219,936	215,424	209,474	206,736	205,762	2.0	2.1	2.8	1.3	8.5	6.9
5613	Employment services	90,055	87,671	85,847	82,474	81,108	81,262	2.7	2.1	4.1	1.7	11.0	7.9
5615	Travel arrangement and reservation services	11,206	11,290	10,517	10,585	S	10,099	-0.7	7.4	-0.6	S	S	11.8
561 pt	Other administrative and support services ⁵	99,925	98,211	96,609	93,853	92,299	92,289	1.7	1.7	2.9	1.7	8.3	6.4
562	Waste management and remediation services	23,184	22,764	22,451	22,562	22,390	22,112	1.8	1.4	-0.5	0.8	3.5	2.9
622	Hospitals.....	272,055	266,555	265,764	257,449	253,016	251,311	2.1	0.3	3.2	1.8	7.5	6.1

(p) Preliminary estimate. (r) Revised estimate.

S Estimate does not meet publication standards because of high variability (coefficient of variation greater than 30%), poor response quality (total quantity response rate is less than 50%) or other concerns about the estimate's quality. Unpublished estimates derived from this table by subtraction are subject to these same limitations and should not be attributed to the U.S. Census Bureau. For a description of publication standards and the total quantity response rate, see www.census.gov/quality/guidelines/index.html.

(1) The seasonal factors are based on a short time series that may not have stable seasonal patterns. As more estimates are added to the time series, large revisions in seasonal factors and consequently historical estimates may be observed. Data users should exercise caution when drawing inferences based on the seasonally adjusted estimates. Unless otherwise specified, seasonally adjusted estimates are obtained using a direct seasonal adjustment at the published NAICS (North American Industry Classification System) level.

(2) For a full description of the NAICS (North American Industry Classification System) codes used in this table, see the 2007 NAICS manual or www.census.gov/eos/www/naics/.

(3) Excludes NAICS 54112 (Offices of notaries).

(4) Seasonally adjusted estimates for NAICS 56 are obtained by summing the seasonally adjusted estimates for 5613, 5615, 561pt, and 562.

(5) Includes NAICS 5611 (Office administrative services), 5612 (Facilities support services), 5614 (Business support services), 5616 (Investigation and security services), 5617 (Services buildings and dwellings), and 5619 (Other support services).

Note: Estimates cover taxable and tax-exempt firms unless otherwise specified. Additionally, estimates for some sectors and subsectors may include data for kinds of business not shown. Table 2 provides estimated measures of sampling variability. Data users who create their own estimates using data from this report should cite the U.S. Census Bureau as the source of the original data only. Additional information on confidentiality protection, sampling error, nonsampling error, sample design, and definitions may be found at www.census.gov/services/qss/cv.html.

Table 1b. Selected Services - Estimated Quarterly Revenue for Employer Firms, Not Seasonally Adjusted

[Estimates are not adjusted for seasonal variation or for price changes and are based on data from the Quarterly Services Survey. For additional information see www.census.gov/services]

2007 NAICS code ¹	Kind of business	Total revenue (millions of dollars)						Percent change				Year to date		
		4Q 2016 (p)	3Q 2016	2Q 2016	1Q 2016	4Q 2015	3Q 2015	4Q 2016 from 3Q 2016 (p)	3Q 2016 from 2Q 2016	4Q 2016 from 4Q 2015 (p)	3Q 2016 from 3Q 2015	2016 (p)	2015	2016 from 2015 (p)
	Selected Services Total²	3,615,311	3,533,145	3,471,049	3,357,362	3,409,991	3,357,931	2.3	1.8	6.0	5.2	13,976,867	13,360,611	4.6
22	Utilities³	140,160	154,305	128,480	144,235	133,470	151,154	-9.2	20.1	5.0	2.1	567,180	576,560	-1.6
2211	Electric power generation, transmission and distribution	110,658	134,135	107,902	109,440	106,420	131,045	-17.5	24.3	4.0	2.4	462,135	464,561	-0.5
2212	Natural gas distribution	25,926	16,335	17,189	31,638	23,608	16,216	58.7	-5.0	9.8	0.7	91,088	98,154	-7.2
2213	Water, sewage and other systems	3,576	3,835	3,389	3,157	3,442	3,893	-6.8	13.2	3.9	-1.5	13,957	13,845	0.8
48-49	Transportation and warehousing⁴	223,122	225,927	220,901	207,733	219,505	227,676	-1.2	2.3	1.6	-0.8	877,683	876,498	0.1
481	Air transportation	47,973	52,066	50,884	46,166	48,404	53,453	-7.9	2.3	-0.9	-2.6	197,089	200,161	-1.5
483	Water transportation	10,510	12,166	10,424	9,806	10,664	12,188	-13.6	16.7	-1.4	-0.2	42,906	44,003	-2.5
4831	Deep sea, coastal, and Great Lakes water transportation.....	8,449	10,123	8,420	7,869	8,353	9,900	-16.5	20.2	1.1	2.3	34,861	35,037	-0.5
4832	Inland water transportation.....	2,061	2,043	2,004	1,937	2,311	2,288	0.9	1.9	-10.8	-10.7	8,045	8,966	-10.3
484	Truck transportation	65,571	68,053	66,119	61,783	66,175	69,461	-3.6	2.9	-0.9	-2.0	261,526	263,249	-0.7
4841	General freight trucking	41,251	42,106	41,887	39,856	43,111	44,458	-2.0	0.5	-4.3	-5.3	165,100	169,531	-2.6
48412	General freight trucking, long-distance	35,282	35,963	35,630	33,686	36,420	37,588	-1.9	0.9	-3.1	-4.3	140,561	143,105	-1.8
4842	Specialized freight trucking	24,320	25,947	24,232	21,927	23,064	25,003	-6.3	7.1	5.4	3.8	96,426	93,718	2.9
485	Transit and ground passenger transportation	9,117	7,706	9,022	8,421	8,628	7,563	18.3	-14.6	5.7	1.9	34,266	34,031	0.7
486	Pipeline transportation	11,471	10,790	10,732	10,829	10,967	10,765	6.3	0.5	4.6	0.2	43,822	43,764	0.1
487	Scenic and sightseeing transportation	764	1,288	1,014	634	713	1,357	-40.7	27.0	7.2	-5.1	3,700	3,666	0.9
488	Support activities for transportation	46,934	45,356	44,642	42,330	44,997	46,001	3.5	1.6	4.3	-1.4	179,262	177,816	0.8
492	Couriers and messengers	22,151	20,067	19,898	19,803	20,978	19,126	10.4	0.8	5.6	4.9	81,919	78,424	4.5
493	Warehousing and storage	8,631	8,435	8,166	7,961	7,979	7,762	2.3	3.3	8.2	8.7	33,193	31,384	5.8
51	Information	390,202	363,301	361,735	357,909	375,238	345,192	7.4	0.4	4.0	5.2	1,473,147	1,405,882	4.8
511	Publishing industries (except Internet)	79,825	71,572	73,220	70,972	78,989	70,814	11.5	-2.3	1.1	1.1	295,589	293,771	0.6
51111	Newspaper publishers	6,669	6,235	6,391	6,078	7,115	6,410	7.0	-2.4	-6.3	-2.7	25,373	26,550	-4.4
51112	Periodical publishers	7,182	6,806	7,093	6,341	7,210	7,101	5.5	-4.0	-0.4	-4.2	27,422	28,314	-3.2
5111 pt	Book, directory and mailing list, and other publishers ⁵	9,549	11,072	10,083	8,744	10,207	11,096	-13.8	9.8	-6.4	-0.2	39,448	40,566	-2.8
5112	Software publishers	56,425	47,459	49,653	49,809	54,457	46,207	18.9	-4.4	3.6	2.7	203,346	198,341	2.5
512	Motion picture and sound recording industries	27,505	24,863	24,338	27,125	27,631	23,654	10.6	2.2	-0.5	5.1	103,831	98,982	4.9
515	Broadcasting (except Internet)	43,095	38,872	38,482	37,721	40,391	36,027	10.9	1.0	6.7	7.9	158,170	148,462	6.5
5151	Radio and television broadcasting	21,064	18,285	17,518	17,463	19,618	16,508	15.2	4.4	7.4	10.8	74,330	69,531	6.9
5152	Cable and other subscription programming	22,031	20,587	20,964	20,258	20,773	19,519	7.0	-1.8	6.1	5.5	83,840	78,931	6.2
517	Telecommunications	157,340	153,287	152,341	151,514	154,821	149,510	2.6	0.6	1.6	2.5	614,482	601,970	2.1
5171	Wired telecommunications carriers	80,139	78,824	79,019	78,621	79,008	75,774	1.7	-0.2	1.4	4.0	316,603	306,384	3.3
5172	Wireless telecommunications carriers (except satellite)	66,394	63,870	62,749	62,447	65,216	63,352	4.0	1.8	1.8	0.8	255,460	254,406	0.4
517 pt	Other telecommunications ⁶	10,807	10,593	10,573	10,446	10,597	10,384	2.0	0.2	2.0	2.0	42,419	41,180	3.0
518	Data processing, hosting, and related services	37,699	35,922	35,281	34,212	34,913	32,507	4.9	1.8	8.0	10.5	143,114	129,957	10.1
519	Other information services.....	44,738	38,785	38,073	36,365	38,493	32,680	15.3	1.9	16.2	18.7	157,961	132,740	19.0
52	Finance and insurance⁷	1,094,191	1,081,828	1,061,685	1,032,909	1,036,087	1,021,329	1.1	1.9	5.6	5.9	4,270,613	4,101,306	4.1
52 pt	Finance and insurance (except monetary authorities-central bank) ⁸	1,069,143	1,053,801	1,032,422	1,003,249	1,007,841	991,568	1.5	2.1	6.1	6.3	4,158,615	3,988,239	4.3
521	Monetary authorities-central bank.....	25,048	28,027	29,263	29,660	28,246	29,761	-10.6	-4.2	-11.3	-5.8	111,998	113,067	-0.9
522	Credit intermediation and related activities.....	292,337	295,295	288,041	279,431	280,396	277,717	-1.0	2.5	4.3	6.3	1,155,104	1,104,812	4.6
5221	Depository credit intermediation	128,409	128,362	124,736	122,038	122,408	120,700	Z	2.9	4.9	6.3	503,545	482,097	4.4
5222	Nondepository credit intermediation.....	139,990	142,582	140,429	135,564	135,337	134,112	-1.8	1.5	3.4	6.3	558,565	531,919	5.0
5223	Activities related to credit intermediation.....	23,938	24,351	22,876	21,829	22,651	22,905	-1.7	6.4	5.7	6.3	92,994	90,796	2.4
523	Securities, commodity contracts, and other financial investments and related activities	150,856	148,121	146,205	138,188	142,454	143,278	1.8	1.3	5.9	3.4	583,370	586,523	-0.5
5231	Securities and commodity contracts intermediation and brokerage	65,448	66,135	67,592	59,072	59,911	63,360	-1.0	-2.2	9.2	4.4	258,247	255,974	0.9
5232	Securities and commodity exchanges	2,782	2,577	2,748	2,913	2,646	2,742	8.0	-6.2	5.1	-6.0	11,020	10,548	4.5
5239	Other financial investment activities	82,626	79,409	75,865	76,203	79,897	77,176	4.1	4.7	3.4	2.9	314,103	320,001	-1.8
524	Insurance carriers and related activities	625,950	610,385	598,176	585,630	584,991	570,573	2.6	2.0	7.0	7.0	2,420,141	2,296,904	5.4
5241	Insurance carriers	541,442	527,307	516,625	506,113	503,843	491,424	2.7	2.1	7.5	7.3	2,091,487	1,978,903	5.7
5242	Agencies, brokerages, and other insurance related activities	84,508	83,078	81,551	79,517	81,148	79,149	1.7	1.9	4.1	5.0	328,654	318,001	3.3
53	Real estate and rental and leasing	168,616	167,119	162,996	149,763	156,649	156,123	0.9	2.5	7.6	7.0	648,494	602,846	7.6
531	Real estate	117,300	116,585	113,037	103,460	106,732	106,910	0.6	3.1	9.9	9.0	450,382	410,457	9.7
5311	Lessors of real estate.....	66,752	65,117	63,500	62,121	62,754	60,243	2.5	2.5	6.4	8.1	257,490	238,379	8.0
5312	Offices of real estate agents and brokers.....	26,983	28,702	28,272	21,008	23,414	26,392	-6.0	1.5	15.2	8.8	104,965	92,869	13.0
5313	Activities related to real estate.....	23,565	22,766	21,265	20,331	20,564	20,275	3.5	7.1	14.6	12.3	87,927	79,209	11.0
532	Rental and leasing services	39,910	40,978	39,813	36,798	39,111	39,361	-2.6	2.9	2.0	4.1	157,499	152,544	3.2
5321	Automotive equipment rental and leasing	14,408	15,684	14,589	13,023	13,660	14,797	-8.1	7.5	5.5	6.0	57,704	55,326	4.3
53211	Passenger car rental and leasing.....	9,781	10,844	9,897	8,771	9,170	9,991	-9.8	9.6	6.7	8.5	39,293	37,244	5.5
53212	Truck, utility trailer, and RV (recreational vehicle) rental and leasing	4,627	4,840	4,692	4,252	4,490	4,806	-4.4	3.2	3.1	0.7	18,411	18,082	1.8
5322	Consumer goods rental	5,467	5,368	5,716	5,875	5,778	5,690	1.8	-6.1	-5.4	-5.7	22,426	22,792	-1.6
5323	General rental centers.....	S	S	S	S	S	S	S	S	S	S	S	S	S
5324	Commercial and industrial machinery and equipment rental and leasing	19,383	19,134	18,805	17,350	19,014	18,156	1.3	1.7	1.9	5.4	74,672	71,807	4.0
533	Lessors of nonfinancial intangible assets (except copyrighted works)	11,406	9,556	10,146	9,505	10,806	9,852	19.4	-5.8	5.6	-3.0	40,613	39,845	1.9

Table 1b. Selected Services - Estimated Quarterly Revenue for Employer Firms, Not Seasonally Adjusted

[Estimates are not adjusted for seasonal variation or for price changes and are based on data from the Quarterly Services Survey. For additional information see www.census.gov/services]

2007 NAICS code ¹	Kind of business	Total revenue (millions of dollars)						Percent change				Year to date		
		4Q 2016 (p)	3Q 2016	2Q 2016	1Q 2016	4Q 2015	3Q 2015	4Q 2016 from 3Q 2016 (p)	3Q 2016 from 2Q 2016	4Q 2016 from 4Q 2015 (p)	3Q 2016 from 3Q 2015	2016 (p)	2015	2016 from 2015 (p)
54	Professional, scientific, and technical services⁹	449,087	432,912	435,215	418,182	423,027	413,683	3.7	-0.5	6.2	4.6	1,735,396	1,647,677	5.3
5411	Legal services ⁹	83,413	71,527	71,122	63,891	77,280	72,467	16.6	0.6	7.9	-1.3	289,953	278,296	4.2
5412	Accounting, tax preparation, bookkeeping, and payroll services	38,053	38,894	45,185	49,100	35,599	36,203	-2.2	-13.9	6.9	7.4	171,232	156,015	9.8
5413	Architectural, engineering, and related services	77,967	77,228	75,053	73,210	74,391	73,954	1.0	2.9	4.8	4.4	303,458	293,782	3.3
5413 pt	Architectural and related services ¹⁰	18,986	18,720	17,662	17,689	17,356	16,904	1.4	6.0	9.4	10.7	73,057	68,265	7.0
54133	Engineering services	58,981	58,508	57,391	55,521	57,035	57,050	0.8	1.9	3.4	2.6	230,401	225,517	2.2
5414	Specialized design services	5,964	5,663	5,467	5,842	5,696	5,754	5.3	3.6	4.7	-1.6	22,936	22,615	1.4
5415	Computer systems design and related services	92,196	92,245	90,879	88,409	88,040	86,806	-0.1	1.5	4.7	6.3	363,729	348,245	4.4
5416	Management, scientific, and technical consulting services	65,785	64,391	63,865	60,792	62,157	60,544	2.2	0.8	5.8	6.4	254,833	242,066	5.3
5417	Scientific research and development services	37,104	35,461	36,137	33,125	35,010	33,569	4.6	-1.9	6.0	5.6	141,827	133,552	6.2
5418	Advertising, public relations, and related services	27,001	26,117	25,822	24,762	25,855	24,679	3.4	1.1	4.4	5.8	103,702	97,457	6.4
5419	Other professional, scientific, and technical services	21,604	21,386	21,685	19,051	18,999	19,707	1.0	-1.4	13.7	8.5	83,726	75,649	10.7
56	Administrative and support and waste management and remediation services	226,748	222,186	216,293	204,278	208,865	207,818	2.1	2.7	8.6	6.9	869,505	816,393	6.5
561	Administrative and support services	203,634	198,739	193,191	182,957	186,587	185,021	2.5	2.9	9.1	7.4	778,521	728,883	6.8
5613	Employment services	94,017	86,444	83,357	82,392	84,677	80,043	8.8	3.7	11.0	8.0	346,210	319,173	8.5
5615	Travel arrangement and reservation services	10,791	11,629	10,906	10,278	S	10,382	-7.2	6.6	S	12.0	43,604	S	S
561 pt	Other administrative and support services ¹¹	98,826	100,666	98,928	90,287	91,376	94,596	-1.8	1.8	8.2	6.4	388,707	368,924	5.4
562	Waste management and remediation services	23,114	23,447	23,102	21,321	22,278	22,797	-1.4	1.5	3.8	2.9	90,984	87,510	4.0
61	Educational services¹²	16,103	16,157	17,624	15,699	15,446	15,302	-0.3	-8.3	4.3	5.6	65,583	61,934	5.9
6114	Business schools and computer and management training	2,982	2,842	3,124	2,920	2,869	2,919	4.9	-9.0	3.9	-2.6	11,868	11,365	4.4
6115	Technical and trade schools	3,500	3,709	3,673	3,628	3,662	3,508	-5.6	1.0	-4.4	5.7	14,510	14,090	3.0
6116	Other schools and instruction	6,041	5,738	6,586	5,858	5,569	5,411	5.3	-12.9	8.5	6.0	24,223	22,584	7.3
6117	Educational support services	3,580	3,868	4,241	3,293	3,346	3,464	-7.4	-8.8	7.0	11.7	14,982	13,895	7.8
62	Health care and social assistance	629,952	604,410	612,677	592,319	589,470	574,124	4.2	-1.3	6.9	5.3	2,439,358	2,304,000	5.9
621	Ambulatory health care services	250,345	241,000	242,500	234,601	235,600	231,664	3.9	-0.6	6.3	4.0	968,446	912,343	6.1
6211	Offices of physicians	124,527	118,120	119,234	114,306	117,029	114,396	5.4	-0.9	6.4	3.3	476,187	448,260	6.2
6212	Offices of dentists	S	S	S	S	S	S	S	S	S	S	S	S	S
6213	Offices of other health practitioners	20,771	19,802	19,967	19,458	19,536	19,328	4.9	-0.8	6.3	2.5	79,998	76,076	5.2
6214	Outpatient care centers	34,201	32,883	32,231	31,251	30,940	29,693	4.0	2.0	10.5	10.7	130,566	118,042	10.6
6215	Medical and diagnostic laboratories	12,490	12,121	12,403	11,943	12,026	11,917	3.0	-2.3	3.9	1.7	48,957	47,975	2.0
6216	Home health care services	20,047	19,610	19,507	18,782	19,406	18,865	2.2	0.5	3.3	3.9	77,946	74,447	4.7
6219	Other ambulatory health care services	8,926	8,719	8,657	8,486	8,574	8,569	2.4	0.7	4.1	1.8	34,788	33,688	3.3
622	Hospitals	272,055	261,757	268,422	259,509	253,016	247,039	3.9	-2.5	7.5	6.0	1,061,743	1,003,499	5.8
6221	General medical and surgical hospitals	253,871	243,592	250,584	241,634	235,371	230,112	4.2	-2.8	7.9	5.9	989,681	934,757	5.9
6222	Psychiatric and substance abuse hospitals	6,623	6,524	6,316	6,296	6,096	5,659	1.5	3.3	8.6	15.3	25,759	23,801	8.2
6223	Specialty (except psychiatric and substance abuse) hospitals	11,561	11,641	11,522	11,579	11,549	11,268	-0.7	1.0	0.1	3.3	46,303	44,941	3.0
623	Nursing and residential care facilities	60,626	59,123	58,733	56,541	57,212	56,029	2.5	0.7	6.0	5.5	235,023	223,345	5.2
624	Social assistance	46,926	42,530	43,022	41,668	43,642	39,392	10.3	-1.1	7.5	8.0	174,146	164,813	5.7
6241	Individual and family services	23,725	22,604	22,405	21,433	22,205	20,561	5.0	0.9	6.8	9.9	90,167	84,820	6.3
6242	Community food and housing, and emergency and other relief services	9,714	7,693	7,862	7,589	8,969	7,170	26.3	-2.1	8.3	7.3	32,858	31,382	4.7
6243	Vocational rehabilitation services	3,344	3,316	3,286	3,258	3,262	3,212	0.8	0.9	2.5	3.2	13,204	13,222	-0.1
6244	Child day care services	10,143	8,917	9,469	9,388	9,206	8,449	13.7	-5.8	10.2	5.5	37,917	35,389	7.1
71	Arts, entertainment, and recreation	67,450	66,848	62,380	55,513	61,497	62,567	0.9	7.2	9.7	6.8	252,191	237,482	6.2
711	Performing arts, spectator sports, and related industries	32,341	29,673	25,996	23,215	29,654	27,569	9.0	14.1	9.1	7.6	111,225	104,698	6.2
7111	Performing arts companies	4,019	3,986	4,026	3,300	4,028	3,931	0.8	-1.0	-0.2	1.4	15,331	15,263	0.4
7112	Spectator sports	13,515	11,343	9,934	8,194	12,236	10,904	19.1	14.2	10.5	4.0	42,986	40,095	7.2
7113	Promoters of performing arts, sports, and similar events	7,182	7,843	6,358	5,452	6,621	6,667	-8.4	23.4	8.5	17.6	26,835	24,538	9.4
7114	Agents and managers for artists, athletes, entertainers, and other public figures	1,974	1,912	1,720	1,552	2,034	1,794	3.2	11.2	-2.9	6.6	7,158	7,322	-2.2
7115	Independent artists, writers, and performers	5,651	4,589	3,958	4,717	4,735	4,273	23.1	15.9	19.3	7.4	18,915	17,480	8.2
712	Museums, historical sites, and similar institutions	4,407	4,075	4,084	3,126	4,078	3,801	8.1	-0.2	8.1	7.2	15,692	15,168	3.5
713	Amusement, gambling, and recreation industries	30,702	33,100	32,300	29,172	27,765	31,197	-7.2	2.5	10.6	6.1	125,274	117,616	6.5
7131	Amusement parks and arcades	4,603	6,311	5,091	3,565	4,029	6,008	-27.1	24.0	14.2	5.0	19,570	18,075	8.3
7132	Gambling industries	7,065	7,104	7,219	7,505	6,925	6,790	-0.5	-1.6	2.0	4.6	28,893	27,923	3.5
7139	Other amusement and recreation industries	19,034	19,685	19,990	18,102	16,811	18,399	-3.3	-1.5	13.2	7.0	76,811	71,618	7.3
721	Accommodation	58,239	64,556	62,497	55,250	55,584	62,217	-9.8	3.3	4.8	3.8	240,542	231,082	4.1
7211	Traveler accommodation	56,989	62,228	60,402	53,813	54,401	59,899	-8.4	3.0	4.8	3.9	233,432	224,238	4.1
7212	RV (recreational vehicle) parks and recreational camps	927	1,931	1,814	1,094	846	1,908	-52.0	6.4	9.6	1.2	5,766	5,413	6.5
7213	Rooming and boarding houses	323	397	281	343	337	410	-18.6	41.3	-4.2	-3.2	1,344	1,431	-6.1

Table 1b. Selected Services - Estimated Quarterly Revenue for Employer Firms, Not Seasonally Adjusted[Estimates are not adjusted for seasonal variation or for price changes and are based on data from the Quarterly Services Survey. For additional information see www.census.gov/services]

2007 NAICS code ¹	Kind of business	Total revenue (millions of dollars)						Percent change				Year to date		
		4Q 2016 (p)	3Q 2016	2Q 2016	1Q 2016	4Q 2015	3Q 2015	4Q 2016 from 3Q 2016 (p)	3Q 2016 from 2Q 2016	4Q 2016 from 4Q 2015 (p)	3Q 2016 from 3Q 2015	2016 (p)	2015	2016 from 2015 (p)
81	Other services (except public administration)¹³	151,441	133,596	128,566	123,572	135,153	120,746	13.4	3.9	12.1	10.6	537,175	498,951	7.7
811	Repair and maintenance	40,001	40,907	41,777	40,006	39,827	41,267	-2.2	-2.1	0.4	-0.9	162,691	162,955	-0.2
8111	Automotive repair and maintenance	25,915	26,589	26,801	26,334	25,360	26,283	-2.5	-0.8	2.2	1.2	105,639	104,395	1.2
8112	Electronic and precision equipment repair and maintenance	4,498	4,463	4,403	3,974	4,296	4,275	0.8	1.4	4.7	4.4	17,338	16,947	2.3
8113	Commercial and industrial machinery and equipment (except automotive and electronic) repair and maintenance	7,927	8,010	8,405	8,150	8,485	8,779	-1.0	-4.7	-6.6	-8.8	32,492	34,270	-5.2
8114	Personal and household goods repair and maintenance	1,661	1,845	2,168	1,548	1,686	1,930	-10.0	-14.9	-1.5	-4.4	7,222	7,343	-1.6
812	Personal and laundry services.....	28,436	27,669	27,451	26,479	26,415	25,351	2.8	0.8	7.7	9.1	110,035	101,406	8.5
8121	Personal care services.....	9,752	9,932	9,806	9,263	8,716	8,759	-1.8	1.3	11.9	13.4	38,753	34,628	11.9
8122	Death care services.....	5,060	4,709	4,743	4,859	4,755	4,406	7.5	-0.7	6.4	6.9	19,371	18,258	6.1
8123	Drycleaning and laundry services.....	6,806	6,729	6,834	6,613	6,662	6,541	1.1	-1.5	2.2	2.9	26,982	25,986	3.8
8129	Other personal services.....	6,818	6,299	6,068	5,744	6,282	5,645	8.2	3.8	8.5	11.6	24,929	22,534	10.6
813	Religious, grantmaking, civic, professional, and similar organizations ¹⁴	83,004	65,020	59,338	57,087	68,911	54,128	27.7	9.6	20.5	20.1	264,449	234,590	12.7

(p) Preliminary estimate. Z Absolute value is less than .05.

S Estimate does not meet publication standards because of high variability (coefficient of variation greater than 30%), poor response quality (total quantity response rate is less than 50%) or other concerns about the estimate's quality. Unpublished estimates derived from this table by subtraction are subject to these same limitations and should not be attributed to the U.S. Census Bureau. For a description of publication standards and the total quantity response rate, see www.census.gov/quality/guidelines/index.html.

(1) For a full description of the NAICS (North American Industry Classification System) codes used in this table, see the 2007 NAICS manual or www.census.gov/eos/www/naics/.

(2) Includes NAICS 22 (Utilities), NAICS 48-49 (Transportation and warehousing), NAICS 51 (Information), NAICS 52 (Finance and insurance), NAICS 53 (Real estate and rental and leasing), NAICS 54 (Selected professional, scientific, and technical services), NAICS 56 (Administrative and support and waste management and remediation services), NAICS 61 (Educational services), NAICS 62 (Health care and social assistance), NAICS 71 (Arts, entertainment, and recreation), NAICS 721 (Accommodation), and NAICS 81 (Other services (except public administration)). Exclusions listed in footnotes 3, 4, 7, 9, 12, and 13 also apply to the Selected Services Total.

(3) Excludes government owned utilities.

(4) Excludes NAICS 482 (Rail transportation) and 491 (Postal service).

(5) Includes NAICS 51113 (Book publishers), 51114 (Directory and mailing list publishers), and 51119 (Other publishers).

(6) Includes NAICS 5174 (Satellite telecommunications), and 5179 (Other telecommunications).

(7) Excludes NAICS 525 (Funds, trusts, and other financial vehicles).

(8) Excludes NAICS 521 (Monetary authorities-central bank) and NAICS 525 (Funds, trusts, and other financial vehicles).

(9) Excludes NAICS 54112 (Offices of notaries).

(10) Includes all of NAICS 5413 (Architectural, engineering, and related services) except 54133 (Engineering services).

(11) Includes NAICS 5611 (Office administrative services), 5612 (Facilities support services), 5614 (Business support services), 5616 (Investigation and security services), 5617 (Services to buildings and dwellings), and 5619 (Other support services).

(12) Excludes NAICS 6111 (Elementary and secondary schools), 6112 (Junior colleges), and 6113 (Colleges, universities, and professional schools).

(13) Excludes NAICS 8131 (Religious organizations), 81393 (Labor unions and similar labor organizations), 81394 (Political organizations), and 814 (Private households).

(14) Excludes NAICS 8131 (Religious organizations), 81393 (Labor unions and similar labor organizations), and 81394 (Political organizations).

Note: Estimates cover taxable and tax-exempt firms unless otherwise specified. Additionally, estimates for some sectors and subsectors may include data for kinds of business not shown. Table 2 provides estimated measures of sampling variability. Data users who create their own estimates using data from this report should cite the U.S. Census Bureau as the source of the original data only. Additional information on confidentiality protection, sampling error, nonsampling error, sample design, and definitions may be found at www.census.gov/services/qss/cv.html. For NAICS 52, estimates may include unrealized gains (losses).

Table 2. Selected Services - Estimated Measures of Sampling Variability
[Estimates are shown as percents and are based on data from the Quarterly Services Survey]

2007 NAICS code	Kind of business	Coefficient of variation for total revenue						Standard error for percent change				Year to Date		
		4Q 2016 (p)	3Q 2016	2Q 2016	1Q 2016	4Q 2015	3Q 2015	4Q 2016 from 3Q 2016 (p)	3Q 2016 from 2Q 2016	4Q 2016 from 4Q 2015 (p)	3Q 2016 from 3Q 2015	Coefficient of variation		Standard error
												2016 (p)	2015	2016 from 2015 (p)
	Selected Services Total	1.3	1.4	1.4	1.4	1.5	1.4	0.1	0.2	0.3	0.2	1.4	1.4	0.2
22	Utilities	4.2	4.5	4.6	3.7	3.9	4.2	0.8	1.0	1.0	0.4	4.2	3.9	0.8
2211	Electric power generation, transmission and distribution	4.9	5.1	5.4	4.5	4.4	4.7	0.8	1.0	1.2	0.6	4.9	4.5	0.9
2212	Natural gas distribution	3.0	4.2	3.1	2.6	2.6	4.1	4.4	2.2	2.0	1.5	2.7	2.8	1.1
2213	Water, sewage and other systems	7.3	6.7	6.8	7.6	6.4	7.5	3.3	0.3	2.7	2.6	6.9	7.2	2.4
48-49	Transportation and warehousing	2.7	2.7	2.7	2.6	2.5	2.8	0.5	0.3	0.8	0.7	2.6	2.7	0.5
481	Air transportation	3.8	4.4	4.3	4.4	4.4	4.1	0.9	0.2	0.6	0.6	4.2	4.2	0.6
483	Water transportation	3.2	3.1	3.2	3.4	3.6	3.2	0.5	1.0	0.6	0.6	3.2	3.5	0.8
4831	Deep sea, coastal, and Great Lakes water transportation.....	3.9	3.8	4.2	4.3	4.6	4.1	0.4	1.0	0.9	0.8	4.0	4.6	1.0
4832	Inland water transportation.....	4.6	4.8	3.7	3.4	3.7	4.2	1.0	1.4	1.0	0.6	4.1	3.7	0.5
484	Truck transportation	7.7	7.9	7.8	7.9	7.5	8.2	0.5	1.0	1.7	1.4	7.8	8.1	0.9
4841	General freight trucking	11.6	11.9	11.7	11.5	10.9	11.6	0.7	1.1	1.9	1.0	11.6	11.8	1.1
48412	General freight trucking, long-distance	12.3	12.5	12.5	12.6	11.8	12.8	1.0	1.0	2.4	0.7	12.5	12.9	1.3
4842	Specialized freight trucking	4.6	4.1	3.6	3.6	3.9	3.1	1.0	1.3	2.9	3.1	3.8	3.2	1.8
485	Transit and ground passenger transportation	6.4	5.5	6.7	5.9	5.6	3.8	3.0	2.2	2.1	2.9	5.9	4.7	1.7
486	Pipeline transportation	1.9	1.8	1.6	1.4	1.6	1.7	0.4	0.2	1.4	0.6	1.6	3.2	2.5
487	Scenic and sightseeing transportation	12.3	10.7	10.0	8.5	7.9	7.5	3.6	2.8	7.8	5.7	9.9	6.6	6.0
488	Support activities for transportation	6.5	5.9	6.1	5.7	5.1	5.1	1.3	1.5	2.4	1.5	6.0	5.3	1.5
492	Couriers and messengers	1.6	1.6	1.6	1.7	1.9	1.5	0.3	0.2	0.6	1.3	1.6	1.4	1.6
493	Warehousing and storage	6.8	6.0	5.7	6.1	4.5	5.9	1.4	1.4	3.4	1.9	6.0	5.4	1.7
51	Information	1.4	1.4	1.6	1.8	1.7	1.8	0.3	0.3	0.6	0.5	1.5	1.7	0.3
511	Publishing industries (except Internet)	5.3	4.6	5.1	5.3	4.9	4.3	1.1	0.8	1.1	1.1	5.1	4.7	0.7
51111	Newspaper publishers	4.4	4.9	5.3	5.3	5.3	6.0	0.8	1.1	1.2	1.6	4.9	5.8	1.2
51112	Periodical publishers	5.8	3.6	5.0	4.6	4.7	3.9	5.2	2.3	1.8	1.6	4.1	3.9	1.8
5111 pt	Book, directory and mailing list, and other publishers	4.2	4.6	5.5	4.8	3.9	3.4	2.7	1.4	1.1	4.2	4.3	3.9	1.0
5112	Software publishers	6.9	6.0	6.6	7.0	6.4	5.6	1.2	1.1	1.7	1.3	6.6	6.2	1.1
512	Motion picture and sound recording industries	4.0	3.2	3.9	5.5	4.2	3.7	1.6	1.5	1.2	2.3	3.9	3.4	0.8
515	Broadcasting (except Internet)	1.9	1.4	1.9	1.9	2.2	1.7	1.1	0.8	0.7	0.5	1.7	1.8	0.5
5151	Radio and television broadcasting	2.9	2.6	3.3	3.2	3.7	2.7	2.1	1.9	1.0	1.0	2.9	3.0	0.7
5152	Cable and other subscription programming	1.3	1.2	1.3	1.3	1.3	1.3	0.3	0.3	0.7	0.5	1.2	1.2	0.3
517	Telecommunications	1.7	1.7	2.0	2.0	1.8	2.0	0.2	0.3	0.3	0.4	1.8	2.0	0.3
5171	Wired telecommunications carriers	3.2	3.4	3.6	3.8	3.5	3.7	0.3	0.3	0.3	0.4	3.5	3.7	0.3
5172	Wireless telecommunications carriers (except satellite)	2.5	2.6	2.8	2.8	2.7	2.9	0.2	0.3	0.7	0.8	2.7	2.8	0.5
517 pt	Other telecommunications	3.5	3.6	4.5	3.8	2.9	3.3	0.7	1.0	1.7	1.7	3.8	3.1	1.5
518	Data processing, hosting, and related services	3.4	3.5	4.0	4.0	3.8	3.6	0.9	0.7	1.6	1.0	3.7	3.7	1.0
519	Other information services.....	3.6	3.1	3.9	4.8	3.9	4.1	0.9	1.2	2.5	2.0	3.7	4.1	1.6
52	Finance and insurance	5.0	4.8	5.2	4.7	4.6	4.4	0.2	0.6	0.5	0.5	4.9	4.3	0.7
52 pt	Finance and insurance (except monetary authorities-central bank)	5.1	5.0	5.3	4.9	4.8	4.6	0.2	0.6	0.5	0.6	5.0	4.4	0.7
521	Monetary authorities-central bank.....	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
522	Credit intermediation and related activities.....	4.5	4.4	4.7	4.5	4.6	4.3	0.5	0.6	0.9	0.5	4.5	4.4	0.4
5221	Depository credit intermediation.....	8.0	7.7	8.2	8.3	8.7	7.8	0.5	1.1	1.6	1.0	8.0	8.2	0.8
5222	Nondepository credit intermediation.....	4.3	4.6	4.7	3.7	3.5	3.7	1.0	0.4	0.9	1.1	4.3	3.5	0.9
5223	Activities related to credit intermediation.....	3.0	2.4	2.3	2.1	2.2	2.4	0.9	0.6	1.0	1.2	2.4	2.2	0.7
523	Securities, commodity contracts, and other financial investments and related activities	4.0	4.4	3.7	3.5	4.0	3.2	0.8	1.4	1.5	1.8	3.8	3.6	1.0
5231	Securities and commodity contracts intermediation and brokerage	7.6	7.2	6.2	5.8	6.7	5.9	1.5	1.1	2.7	2.5	6.7	5.9	1.3
5232	Securities and commodity exchanges	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z
5239	Other financial investment activities	4.9	5.0	3.7	3.5	5.5	4.0	1.2	2.0	1.2	1.9	4.2	4.5	1.4
524	Insurance carriers and related activities	7.5	7.1	7.8	7.0	6.7	6.6	0.4	0.8	1.1	0.9	7.3	6.3	1.1
5241	Insurance carriers	8.6	8.3	8.9	7.9	7.8	7.8	0.3	0.8	1.2	0.9	8.4	7.4	1.2
5242	Agencies, brokerages, and other insurance related activities	3.8	4.4	4.3	4.6	4.8	5.9	1.9	1.2	1.8	1.7	4.2	5.2	1.3
53	Real estate and rental and leasing	4.9	5.4	5.2	4.5	4.5	5.5	0.8	0.4	1.1	0.6	5.0	4.8	0.6
531	Real estate	6.6	7.4	7.2	6.4	6.5	7.6	1.1	0.4	1.6	0.8	6.9	7.0	0.8
5311	Lessors of real estate.....	8.3	9.4	9.1	8.4	8.8	9.7	1.3	0.6	1.9	0.9	8.8	8.9	0.8
5312	Offices of real estate agents and brokers.....	10.7	11.6	11.9	10.5	10.3	10.6	1.8	1.7	1.8	2.0	11.2	10.8	1.3
5313	Activities related to real estate.....	6.0	6.7	7.0	6.6	5.8	8.3	1.8	1.8	2.8	2.9	6.5	7.3	1.5
532	Rental and leasing services	4.6	3.9	4.2	4.1	4.4	4.3	1.2	0.7	1.4	1.1	4.2	4.0	0.9
5321	Automotive equipment rental and leasing	3.4	3.2	3.5	2.7	2.6	2.5	0.3	0.5	1.3	1.1	3.2	2.6	0.9
53211	Passenger car rental and leasing.....	3.3	3.0	3.3	2.3	2.2	1.9	0.4	0.3	1.5	1.2	3.0	2.2	1.0
53212	Truck, utility trailer, and RV (recreational vehicle) rental and leasing	5.6	5.1	5.2	4.9	5.0	5.1	0.6	0.9	3.2	2.7	5.2	4.5	2.5
5322	Consumer goods rental	10.4	10.9	10.3	9.3	11.4	13.4	2.0	1.0	2.5	2.5	10.2	11.0	1.4
5323	General rental centers.....	S	S	S	S	S	S	S	S	S	S	S	S	S
5324	Commercial and industrial machinery and equipment rental and leasing	6.4	5.7	6.3	5.6	6.4	6.3	2.1	1.5	3.5	2.6	5.8	5.9	2.4
533	Lessors of nonfinancial intangible assets (except copyrighted works)	5.7	7.1	7.6	7.4	6.9	7.9	2.2	1.7	2.0	1.9	6.8	7.8	1.3

Table 2. Selected Services - Estimated Measures of Sampling Variability
[Estimates are shown as percents and are based on data from the Quarterly Services Survey]

2007 NAICS code	Kind of business	Coefficient of variation for total revenue						Standard error for percent change				Year to Date		
												Coefficient of variation		Standard error
		4Q 2016 (p)	3Q 2016	2Q 2016	1Q 2016	4Q 2015	3Q 2015	4Q 2016 from 3Q 2016 (p)	3Q 2016 from 2Q 2016	4Q 2016 from 4Q 2015 (p)	3Q 2016 from 3Q 2015	2016 (p)	2015	2016 from 2015 (p)
54	Professional, scientific, and technical services	2.1	2.2	2.4	2.0	2.1	2.1	0.5	0.5	1.2	1.3	2.1	2.1	1.1
5411	Legal services	3.8	2.7	2.3	2.5	3.5	3.7	2.1	1.7	2.1	2.6	2.7	3.1	1.8
5412	Accounting, tax preparation, bookkeeping, and payroll services	4.1	4.8	4.0	3.7	4.6	3.9	1.4	1.3	1.2	1.7	4.0	3.1	1.2
5413	Architectural, engineering, and related services	5.5	5.1	4.8	4.2	4.6	4.6	1.1	1.1	3.3	2.9	4.7	4.7	2.5
5413 pt	Architectural and related services	8.6	7.8	8.2	8.7	9.3	8.3	1.8	3.6	8.9	6.1	8.1	8.4	4.8
54133	Engineering services	6.6	6.1	5.3	5.1	5.3	5.9	1.2	1.4	3.2	3.0	5.5	5.5	2.3
5414	Specialized design services.....	4.5	4.0	3.3	5.8	5.9	6.2	2.2	2.6	4.5	5.7	4.0	5.1	3.4
5415	Computer systems design and related services	5.9	7.1	7.5	7.6	7.7	7.5	1.8	0.9	2.8	2.4	6.9	7.6	2.0
5416	Management, scientific, and technical consulting services	5.5	5.4	5.2	5.3	5.4	4.9	1.0	0.6	1.6	2.4	5.3	5.3	1.8
5417	Scientific research and development services	7.3	6.9	6.2	5.9	5.7	5.5	4.0	1.2	4.7	3.5	6.3	5.5	3.5
5418	Advertising, public relations, and related services	3.4	3.1	3.0	2.9	4.1	4.3	0.7	0.4	1.7	1.8	3.1	4.2	1.5
5419	Other professional, scientific, and technical services.....	7.7	6.1	6.2	6.3	7.1	8.1	2.1	1.5	4.5	7.1	6.5	7.3	5.7
56	Administrative and support and waste management and remediation services	1.3	1.4	1.4	1.6	1.7	1.8	0.6	0.6	1.0	1.3	1.4	1.8	1.2
561	Administrative and support services	1.9	1.9	1.9	2.2	2.2	2.2	0.7	0.7	1.2	1.5	1.9	2.3	1.4
5613	Employment services	4.5	4.5	3.9	3.8	4.4	3.1	1.4	1.3	2.0	2.8	4.1	3.5	1.9
5615	Travel arrangement and reservation services	7.3	8.5	7.1	8.9	S	8.5	2.5	2.2	S	6.9	7.7	S	S
561 pt	Other administrative and support services	3.7	4.0	3.8	4.0	3.8	3.9	1.0	0.8	0.9	1.1	3.8	4.1	1.4
562	Waste management and remediation services	4.0	3.7	3.5	3.4	4.0	3.9	1.0	1.1	1.6	1.9	3.6	3.7	1.2
61	Educational services	5.2	4.8	4.6	5.5	4.8	5.3	1.6	0.9	1.9	1.0	4.9	4.5	1.3
6114	Business schools and computer and management training	18.0	17.5	17.1	17.6	17.3	17.5	4.6	3.6	4.6	2.7	17.4	16.8	2.4
6115	Technical and trade schools	11.8	13.7	11.7	11.4	10.4	12.6	2.8	2.1	2.9	3.0	12.1	11.5	2.9
6116	Other schools and instruction.....	5.8	8.4	6.5	7.1	7.6	9.1	3.5	1.9	5.1	3.4	6.8	7.3	3.2
6117	Educational support services	4.2	8.1	3.6	3.9	3.4	7.8	5.3	5.1	2.6	2.4	3.9	3.5	1.5
62	Health care and social assistance	2.0	1.9	2.2	1.9	1.6	1.5	0.6	0.5	1.0	0.7	2.0	1.6	0.8
621	Ambulatory health care services	1.9	2.1	1.9	1.9	1.7	1.8	0.4	0.2	0.8	0.8	1.9	1.7	0.9
6211	Offices of physicians.....	5.4	5.8	5.4	5.4	4.8	4.9	1.1	0.6	1.7	2.0	5.4	4.8	1.9
6212	Offices of dentists.....	S	S	S	S	S	S	S	S	S	S	S	S	S
6213	Offices of other health practitioners	4.6	5.2	4.5	4.7	4.5	4.8	1.3	1.1	1.2	1.6	4.7	4.8	0.6
6214	Outpatient care centers	4.2	3.3	3.4	3.7	3.0	3.4	1.1	1.0	2.1	2.1	3.6	3.1	1.6
6215	Medical and diagnostic laboratories	4.2	3.9	3.9	3.7	4.1	3.8	1.3	0.7	1.7	1.4	3.9	4.1	1.4
6216	Home health care services	3.6	4.3	3.8	4.4	4.3	4.6	1.5	0.9	2.2	1.6	3.9	4.5	1.5
6219	Other ambulatory health care services	5.7	6.1	6.0	6.0	5.8	5.9	1.2	0.8	1.3	1.2	5.9	5.7	1.3
622	Hospitals	3.8	3.4	4.0	3.8	3.3	2.9	1.3	1.1	1.8	1.0	3.7	3.1	1.1
6221	General medical and surgical hospitals.....	4.1	3.7	4.4	4.0	3.5	3.2	1.4	1.2	1.9	1.1	4.0	3.4	1.2
6222	Psychiatric and substance abuse hospitals.....	9.3	9.1	9.5	8.7	8.6	9.1	3.5	1.0	3.5	1.2	9.0	8.6	1.3
6223	Specialty (except psychiatric and substance abuse) hospitals.....	7.0	7.0	7.2	7.2	7.1	6.9	0.2	0.4	0.8	1.1	7.1	6.9	1.0
623	Nursing and residential care facilities	4.6	4.9	4.4	4.7	4.7	5.0	1.2	0.8	1.3	1.1	4.6	4.7	0.9
624	Social assistance	3.0	1.9	2.2	2.5	2.4	2.5	1.6	1.2	1.3	0.9	2.3	2.3	0.7
6241	Individual and family services.....	3.1	1.8	1.9	2.5	2.4	2.4	3.0	1.6	2.2	1.5	2.0	1.9	0.8
6242	Community food and housing, and emergency and other relief services	4.2	5.0	4.2	4.7	3.5	4.3	3.9	3.7	2.0	4.6	4.1	4.0	1.0
6243	Vocational rehabilitation services	9.4	8.0	9.1	10.1	9.6	8.5	2.1	1.5	2.5	1.4	9.1	9.2	1.6
6244	Child day care services	6.8	7.2	6.8	5.9	6.2	7.2	2.2	3.0	2.3	3.1	6.5	6.1	1.9
71	Arts, entertainment, and recreation.....	3.6	3.5	3.3	2.9	2.7	2.5	1.7	1.6	1.8	1.6	3.1	2.5	1.3
711	Performing arts, spectator sports, and related industries	3.8	3.9	5.0	3.4	4.5	3.0	2.5	4.0	2.2	2.3	3.6	3.7	1.5
7111	Performing arts companies.....	7.0	10.6	7.8	6.1	8.5	9.5	5.6	5.7	5.2	7.1	7.6	8.2	3.8
7112	Spectator sports.....	8.6	9.2	12.1	11.4	8.6	6.5	10.5	10.0	4.1	4.4	8.5	7.5	1.9
7113	Promoters of performing arts, sports, and similar events.....	2.2	2.2	4.4	7.1	3.9	2.2	1.9	4.9	2.3	2.1	2.9	3.5	1.4
7114	Agents and managers for artists, athletes, entertainers, and other public figures	11.3	11.7	11.9	9.8	10.1	5.8	3.1	5.8	5.0	8.4	10.9	7.0	7.4
7115	Independent artists, writers, and performers.....	13.0	10.0	12.5	9.8	13.0	10.9	11.8	6.5	5.0	4.0	10.1	10.4	4.1
712	Museums, historical sites, and similar institutions.....	4.8	5.0	3.4	5.0	3.0	5.7	2.9	2.8	4.5	3.9	4.3	3.8	1.9
713	Amusement, gambling, and recreation industries.....	5.4	5.3	4.3	5.0	4.6	4.1	1.8	1.5	1.9	1.6	4.9	4.4	1.4
7131	Amusement parks and arcades.....	4.5	5.2	4.0	4.8	3.8	4.8	3.1	2.9	3.0	2.0	4.1	3.8	2.2
7132	Gambling industries.....	10.9	12.1	11.5	11.6	11.3	11.3	2.1	1.0	2.1	2.2	11.5	11.3	1.4
7139	Other amusement and recreation industries.....	6.5	7.6	6.1	6.3	6.4	6.4	3.5	2.6	4.2	3.2	6.4	6.4	2.9
721	Accommodation	3.1	3.5	3.5	2.7	3.3	3.3	0.7	0.9	1.5	0.8	3.1	3.0	0.6
7211	Traveler accommodation	3.1	3.5	3.4	2.7	3.2	3.2	0.6	0.8	1.5	0.9	3.1	3.0	0.7
7212	RV (recreational vehicle) parks and recreational camps	7.1	6.3	7.1	3.9	5.3	6.6	2.8	6.4	5.6	2.6	5.3	5.2	2.7
7213	Rooming and boarding houses	11.9	16.3	21.0	16.7	23.2	25.1	3.8	7.6	9.3	7.2	16.2	21.6	5.0

Table 2. Selected Services - Estimated Measures of Sampling Variability
[Estimates are shown as percents and are based on data from the Quarterly Services Survey]

2007 NAICS code	Kind of business	Coefficient of variation for total revenue						Standard error for percent change				Year to Date		
												Coefficient of variation		Standard error
		4Q 2016 (p)	3Q 2016	2Q 2016	1Q 2016	4Q 2015	3Q 2015	4Q 2016 from 3Q 2016 (p)	3Q 2016 from 2Q 2016	4Q 2016 from 4Q 2015 (p)	3Q 2016 from 3Q 2015	2016 (p)	2015	2016 from 2015 (p)
81	Other services (except public administration)	2.4	2.0	2.2	2.6	2.3	2.3	0.7	0.9	1.0	1.8	2.2	1.8	0.8
811	Repair and maintenance	4.4	3.9	3.6	3.7	3.9	3.4	1.3	0.9	1.0	1.5	3.8	3.8	0.9
8111	Automotive repair and maintenance	7.9	6.5	6.4	5.2	6.4	4.9	2.0	1.6	2.8	2.7	6.3	5.3	2.2
8112	Electronic and precision equipment repair and maintenance	21.6	16.7	17.1	14.2	14.4	15.3	3.6	1.3	5.2	2.3	17.5	14.2	3.1
8113	Commercial and industrial machinery and equipment (except automotive and electronic) repair and maintenance	9.7	9.9	9.0	10.0	10.1	8.4	2.1	2.3	3.2	3.7	9.5	8.6	2.6
8114	Personal and household goods repair and maintenance	14.8	15.6	16.3	13.7	12.2	13.7	3.3	2.9	7.0	5.4	15.1	13.2	4.8
812	Personal and laundry services.....	4.1	4.3	4.5	4.7	3.6	4.3	1.1	0.6	1.4	2.1	4.3	4.0	1.6
8121	Personal care services.....	9.4	9.7	9.9	9.2	8.2	8.8	2.0	2.0	3.6	3.6	9.5	8.2	3.0
8122	Death care services.....	8.0	8.1	8.0	9.8	9.8	8.9	4.3	1.6	5.6	3.5	8.2	8.6	1.5
8123	Drycleaning and laundry services.....	10.2	9.5	9.5	9.4	8.7	8.5	0.9	1.1	4.4	5.2	9.6	8.4	4.9
8129	Other personal services.....	8.0	7.2	7.4	6.7	7.6	7.5	2.8	2.0	3.4	4.4	7.1	6.7	3.1
813	Religious, grantmaking, civic, professional, and similar organizations	2.8	3.3	3.4	3.0	3.5	3.8	1.7	2.3	2.2	4.1	2.7	2.8	1.3

(p) Preliminary estimate. Z Absolute value is less than .05.
S Corresponding estimate in Table 1a and/or 1b does not meet publication standards because of high sampling variability, poor response quality or other concerns about the estimate's quality.

Note: Estimated measures of sampling variability are based on data not adjusted for seasonal variation, and should be used when drawing inferences about both adjusted and not adjusted estimates. Additional information on confidentiality protection, sampling error, nonsampling error, sample design, and definitions may be found at www.census.gov/services/qss/cv.html.

EXPLANATORY NOTES

Survey Description

The U.S. Census Bureau conducts the Quarterly Services Survey to provide national estimates of quarterly revenue for employer firms located in the United States and classified in select service industries. The current total sample size is approximately 19,500 employer firms.

Each quarter, questionnaires are mailed to a probability sample of employer firms selected from the larger Service Annual Survey sample. The QSS sample includes firms of all sizes and is updated on a quarterly basis to account for new services businesses, deaths, and other changes to the survey universe. Data for nonresponding firms are imputed based on data for similar-sized firms classified in the same kind of business. The following table lists imputation rates of total quarterly revenue for the industries published in the QSS:

2007 NAICS Code	Kind of Business	Imputation Rate of Total Quarterly Revenue (in %)
	Selected Services Total	27
22	Utilities	10
48-49	Transportation and warehousing	23
51	Information	18
52	Finance and insurance	18
53	Real estate and rental and leasing	33
54	Professional, scientific, and technical services	38
56	Administrative and support and waste management and remediation services	39
61	Educational services	42
62	Health care and social assistance	36
71	Arts, entertainment, and recreation	36
721	Accommodation	34
81	Other services (except public administration)	40

Quarterly revenue estimates are obtained by summing weighted data (either reported or imputed), where the weight for a particular unit is the reciprocal of its probability of being selected into the sample. The estimates are benchmarked using results of the latest SAS. Additional information on the QSS can be found on the Census Bureau website at <www.census.gov/services/>.

Description of Seasonal Adjustment

To derive the seasonally adjusted revenue estimates published in this report, we used all available quarterly

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revenue estimates as input to the Census Bureau's X-13 ARIMA-SEATS program. With each non-advance quarterly release, we publish preliminary seasonally adjusted estimates for the current quarter and revised seasonally adjusted estimates for the previous five quarters. The seasonal adjustment models used to derive seasonal factors for each kind of business are evaluated annually and will not be revised until the next benchmarking operation. For a table of the seasonal adjustment factors, see www.census.gov/services/qss/qssseasfactors.xls. A list of "Frequently Asked Questions" on seasonal adjustment of QSS estimates is available at [www.census.gov/services/qss/seasonally adjusted_faqs](http://www.census.gov/services/qss/seasonally_adjusted_faqs).

Reliability of the Estimates

The estimates in this report may differ from the actual, but unknown, population values. For a particular estimate, statisticians define this difference as the total error of the estimate. When describing the accuracy of survey results, it is convenient to discuss total error as the sum of sampling error and nonsampling error. Nonsampling error is the difference between the actual population parameter and the value that would be derived by surveying the entire set of units identified as the survey universe (the sampling frame). There are many potential contributors to nonsampling error – the inclusion of erroneous units in the survey (overcoverage), the exclusion of eligible units from the survey (undercoverage), nonresponse, misreporting, mistakes in recording and coding responses, misinterpretation of questions, and other errors of collection, response, coverage, or processing. Though nonsampling error is not measured directly, the Census Bureau employs quality control procedures throughout the process to minimize this type of error. Sampling error is the average difference between the estimate and the result that would be obtained from a complete enumeration of the sampling frame conducted under the same survey conditions. This error occurs because only a subset of the entire sampling frame is measured in a sample survey. Common measures of sampling error are the sampling variance, the standard error, and the coefficient of variation. The sampling variance is defined as the squared difference, averaged over all possible samples of the same size and design, between the estimator and its average value. The standard error is the square root of the sampling variance. The CV expresses the standard error as a percentage of the estimate to which it refers. For example, an estimate of 200 units that has an estimated standard error of 10 units has an estimated CV of 5 percent. The sampling variance, standard error, and CV of an estimate can be estimated from the selected sample because the sample was selected using probability sampling. Standard errors and coefficients of variation are given in Table 2 of this report.

The first page of this release gives statements about the change in revenue from a prior period. Each change estimate is accompanied by a number in parentheses, called the "margin of error." The margin of error can be used to construct a 90-percent confidence interval, which is interpreted as follows. If, for each possible sample, an estimate and its approximate standard error are obtained, then for approximately 90 percent of the possible samples, the interval from 1.895 standard errors below to 1.895 standard errors above the estimate would include the average of the estimates derived from all possible samples. If, for example, a particular change estimate is +1.2 percent and its associated margin of error is ± 1.5 percentage points, then

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the 90-percent confidence interval for the change estimate is -0.3 percent to +2.7 percent. If the interval contains 0, then one does not have sufficient evidence to conclude at the 90-percent confidence level that the actual change is different from zero. Each comparison stated in this report has undergone statistical testing and is significant at the 90-percent confidence level, unless otherwise noted. Data users should take into account the estimates of sampling error and the potential effects of nonsampling error when using the statistics in this publication.

Additional information regarding the methodology used in conducting this survey is available at www.census.gov/services/qss/qsstechdoc.

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